Name:

at1110paper_practice_test (v1)

1. Expand the following expression into standard form.

$$(2x + 5)(4x + 3)$$

2. Solve the equation.

$$(5x - 9)(3x - 8) \;=\; 0$$

3. Expand the following expression into standard form.

$$(9x - 5)(9x + 5)$$

4. Expand the following expression into standard form.

$$(9x + 7)^2$$

5. Factor the expression.

$$x^2 - x - 20$$

6. Factor the expression.

$$25x^2 - 9$$

7. Solve the equation with factoring by grouping.

$$18x^2 - 24x - 15x + 20 \;=\; 0$$

8. Solve the equation.

$$11x^2 + 61x - 41 \;=\; 4x^2 + 2x - 5$$

Name:

at1110paper_practice_test (v2)

1. Expand the following expression into standard form.

$$(2x + 3)(4x + 9)$$

2. Solve the equation.

$$(3x + 4)(2x + 7) \;=\; 0$$

3. Expand the following expression into standard form.

$$(2x - 7)(2x + 7)$$

4. Expand the following expression into standard form.

$$(6x + 7)^2$$

5. Factor the expression.

$$x^2 + 4x - 12$$

6. Factor the expression.

$$25x^2 - 49$$

7. Solve the equation with factoring by grouping.

$$10x^2 + 15x + 12x + 18 \;=\; 0$$

8. Solve the equation.

$$6x^2 + 24x + 45 \;=\; 4x^2 + 3x + 5$$

Name:

at1110paper_practice_test (v3)

1. Expand the following expression into standard form.

$$(9x + 2)(5x - 7)$$

2. Solve the equation.

$$(7x + 3)(5x - 2) \;=\; 0$$

3. Expand the following expression into standard form.

$$(3x + 7)(3x - 7)$$

4. Expand the following expression into standard form.

$$(4x + 5)^2$$

5. Factor the expression.

$$x^2 - 2x - 48$$

6. Factor the expression.

$$49x^2 - 36$$

7. Solve the equation with factoring by grouping.

$$20x^2 - 15x - 8x + 6 \;=\; 0$$

8. Solve the equation.

$$8x^2 + 9x - 13 \;=\; 3x^2 + 5x - 4$$

Name:

at1110paper_practice_test (v4)

1. Expand the following expression into standard form.

$$(9x + 4)(8x + 7)$$

2. Solve the equation.

$$(3x - 8)(5x - 6) \;=\; 0$$

3. Expand the following expression into standard form.

$$(9x + 2)(9x - 2)$$

4. Expand the following expression into standard form.

$$(2x - 5)^2$$

5. Factor the expression.

$$x^2 - 3x - 54$$

6. Factor the expression.

$$64x^2 - 9$$

7. Solve the equation with factoring by grouping.

$$20x^2 - 8x + 15x - 6 \;=\; 0$$

8. Solve the equation.

$$9x^2 + 59x + 12 \;=\; 2x^2 - 5x + 3$$

Name:

at1110paper_practice_test (v5)

1. Expand the following expression into standard form.

$$(8x + 9)(4x - 7)$$

2. Solve the equation.

$$(9x + 2)(3x + 7) \ = \ 0$$

3. Expand the following expression into standard form.

$$(5x + 9)(5x - 9)$$

4. Expand the following expression into standard form.

$$(3x + 5)^2$$

5. Factor the expression.

$$x^2 + 13x + 40$$

6. Factor the expression.

$$36x^2 - 49$$

7. Solve the equation with factoring by grouping.

$$18x^2 + 24x - 15x - 20 \;=\; 0$$

8. Solve the equation.

$$9x^2 - 63x + 36 \;=\; 2x^2 - 3x + 4$$

Name:

at1110paper_practice_test (v6)

1. Expand the following expression into standard form.

$$(7x + 8)(2x + 3)$$

2. Solve the equation.

$$(7x + 3)(8x - 5) \ = \ 0$$

3. Expand the following expression into standard form.

$$(7x + 3)(7x - 3)$$

4. Expand the following expression into standard form.

$$(9x + 7)^2$$

5. Factor the expression.

$$x^2 - x - 72$$

6. Factor the expression.

$$49x^2 - 16$$

7. Solve the equation with factoring by grouping.

$$15x^2 + 18x + 20x + 24 \;=\; 0$$

8. Solve the equation.

$$10x^2 - 9x - 11 \;=\; 3x^2 + 2x - 5$$

Name:

at1110paper_practice_test (v7)

1. Expand the following expression into standard form.

$$(3x + 4)(5x + 9)$$

2. Solve the equation.

$$(9x + 4)(7x + 8) \;=\; 0$$

3. Expand the following expression into standard form.

$$(3x + 8)(3x - 8)$$

4. Expand the following expression into standard form.

$$(5x - 2)^2$$

5. Factor the expression.

$$x^2 + 5x - 14$$

6. Factor the expression.

$$36x^2 - 49$$

7. Solve the equation with factoring by grouping.

$$8x^2 + 6x + 20x + 15 \;=\; 0$$

8. Solve the equation.

$$10x^2 - 37x - 58 \;=\; 3x^2 + 4x - 2$$

Name:

at1110paper_practice_test (v8)

1. Expand the following expression into standard form.

$$(9x + 5)(3x + 8)$$

2. Solve the equation.

$$(4x + 5)(7x - 2) \;=\; 0$$

3. Expand the following expression into standard form.

$$(9x + 4)(9x - 4)$$

4. Expand the following expression into standard form.

$$(3x + 8)^2$$

5. Factor the expression.

$$x^2 - 12x + 35$$

6. Factor the expression.

$$64x^2 - 25$$

7. Solve the equation with factoring by grouping.

$$12x^2 + 18x - 10x - 15 \;=\; 0$$

8. Solve the equation.

$$12x^2 - 9x + 7 \;=\; 5x^2 + 2x + 3$$

Name:

at1110paper_practice_test (v9)

1. Expand the following expression into standard form.

$$(9x + 4)(7x + 5)$$

2. Solve the equation.

$$(5x + 4)(9x - 2) \ = \ 0$$

3. Expand the following expression into standard form.

$$(6x + 7)(6x - 7)$$

4. Expand the following expression into standard form.

$$(4x - 7)^2$$

5. Factor the expression.

$$x^2 - 16x + 63$$

6. Factor the expression.

$$16x^2 - 9$$

7. Solve the equation with factoring by grouping.

$$12x^2 + 18x - 10x - 15 \;=\; 0$$

8. Solve the equation.

$$9x^2 - 45x + 18 \;=\; 4x^2 - 3x + 2$$

Name:

at1110paper_practice_test (v10)

1. Expand the following expression into standard form.

$$(3x + 4)(7x - 8)$$

2. Solve the equation.

$$(2x + 3)(5x - 4) \;=\; 0$$

3. Expand the following expression into standard form.

$$(2x - 9)(2x + 9)$$

4. Expand the following expression into standard form.

$$(8x + 7)^2$$

5. Factor the expression.

$$x^2 - 11x + 28$$

6. Factor the expression.

$$49x^2 - 36$$

7. Solve the equation with factoring by grouping.

$$12x^2 + 15x + 8x + 10 \;=\; 0$$

8. Solve the equation.

$$5x^2 + 27x + 59 \;=\; 2x^2 - 4x + 3$$

Name:

at1110paper_practice_test (v11)

1. Expand the following expression into standard form.

$$(6x - 7)(8x - 9)$$

2. Solve the equation.

$$(2x + 5)(9x - 8) \;=\; 0$$

3. Expand the following expression into standard form.

$$(6x + 5)(6x - 5)$$

4. Expand the following expression into standard form.

$$(9x - 7)^2$$

5. Factor the expression.

$$x^2 + 10x + 24$$

6. Factor the expression.

$$16x^2 - 9$$

7. Solve the equation with factoring by grouping.

$$12x^2 + 15x - 8x - 10 \;=\; 0$$

8. Solve the equation.

$$10x^2 - 23x + 16 \;=\; 3x^2 + 4x - 2$$

Name:

at1110paper_practice_test (v12)

1. Expand the following expression into standard form.

$$(3x - 8)(6x - 5)$$

2. Solve the equation.

$$(3x + 4)(7x - 6) \;=\; 0$$

3. Expand the following expression into standard form.

$$(4x + 5)(4x - 5)$$

4. Expand the following expression into standard form.

$$(8x + 5)^2$$

5. Factor the expression.

$$x^2 + 5x - 36$$

6. Factor the expression.

$$25x^2 - 49$$

7. Solve the equation with factoring by grouping.

$$24x^2 + 20x + 18x + 15 \;=\; 0$$

8. Solve the equation.

$$12x^2 + 23x - 38 \;=\; 5x^2 + 4x - 2$$

Name:

at1110paper_practice_test (v13)

1. Expand the following expression into standard form.

$$(5x + 6)(9x - 4)$$

2. Solve the equation.

$$(8x + 9)(6x + 5) \;=\; 0$$

3. Expand the following expression into standard form.

$$(8x - 7)(8x + 7)$$

4. Expand the following expression into standard form.

$$(7x + 5)^2$$

5. Factor the expression.

$$x^2 + 9x + 20$$

6. Factor the expression.

$$16x^2 - 25$$

7. Solve the equation with factoring by grouping.

$$6x^2 + 8x - 15x - 20 \;=\; 0$$

8. Solve the equation.

$$7x^2 - 23x + 42 \;=\; 5x^2 - 4x - 3$$

Name:

at1110paper_practice_test (v14)

1. Expand the following expression into standard form.

$$(2x + 9)(4x + 5)$$

2. Solve the equation.

$$(9x - 5)(3x - 2) \;=\; 0$$

3. Expand the following expression into standard form.

$$(7x + 5)(7x - 5)$$

4. Expand the following expression into standard form.

$$(9x - 8)^2$$

5. Factor the expression.

$$x^2 + 4x - 45$$

6. Factor the expression.

$$25x^2 - 16$$

7. Solve the equation with factoring by grouping.

$$20x^2 + 15x + 8x + 6 \;=\; 0$$

8. Solve the equation.

$$6x^2 - 9x - 25 \;=\; 3x^2 + 4x + 5$$

Name:

at1110paper_practice_test (v15)

1. Expand the following expression into standard form.

$$(5x + 6)(8x - 3)$$

2. Solve the equation.

$$(4x - 9)(7x - 6) \;=\; 0$$

3. Expand the following expression into standard form.

$$(5x - 7)(5x + 7)$$

4. Expand the following expression into standard form.

$$(4x + 9)^2$$

5. Factor the expression.

$$x^2 + 4x - 21$$

6. Factor the expression.

$$9x^2 - 25$$

7. Solve the equation with factoring by grouping.

$$20x^2 - 15x - 8x + 6 \;=\; 0$$

8. Solve the equation.

$$9x^2 + 39x - 39 \;=\; 2x^2 - 5x - 4$$

Name:

at1110paper_practice_test (v16)

1. Expand the following expression into standard form.

$$(7x - 9)(4x + 5)$$

2. Solve the equation.

$$(3x - 4)(5x - 2) \;=\; 0$$

3. Expand the following expression into standard form.

$$(9x + 7)(9x - 7)$$

4. Expand the following expression into standard form.

$$(7x + 2)^2$$

5. Factor the expression.

$$x^2 - 11x + 28$$

6. Factor the expression.

$$81x^2 - 64$$

7. Solve the equation with factoring by grouping.

$$15x^2 + 20x - 18x - 24 \;=\; 0$$

8. Solve the equation.

$$4x^2 - 18x + 12 \;=\; 2x^2 - 3x + 5$$